

**REMARKS / ARGUMENTS**

The present application includes pending claims 1-39, of which claims 1-30 were previously presented and claims 31-39 are new claims. The Applicant has amended claims 1-4, 6-8, 11-14, 16-18 and 21-24 and 26-28, as set forth above, to further clarify the claim language without adding new matter, and respectfully submits that all the claims define patentable subject matter.

Claims 1-30 are objected to because of the following informalities: claims 1, 11 and 21 (specifically the independent claims) recite "creating" or "encoding" a "second symbol" with no mention of creating or encoding any first symbol. Claim 30 does not end with a period. The Applicant has amended the specification as well as claims 1, 11 and 21, along with the corresponding affected dependent claims, as set forth above, to address the Examiner's objection to the claims. The Applicant submits that the objection to the claims should now be removed.

Claims 1-4, 6-8, 11-14, 16-18, 21-24 and 26-28 are rejected under 35 U.S.C. §102(e) as being anticipated by Wolf et al (U.S. Patent № 6,914,637, hereinafter "Wolf").

Claims 5, 9-10, 15, 19-20, 25 and 29-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The Applicant has cancelled claims 5, 9-10, 15, 19-20, 25 and 29-30 and has rewritten respective new claims 31-39 in independent form, including all of the limitations of

the base claim and any intervening claims to comply with the Examiner's recommendations. The Applicant respectfully requests allowance of claims 31-39.

## **I. OBJECTIONS TO CLAIMS 1-30**

Claims 1-30 are objected to because of the following informalities: claims 1, 11 and 21 (specifically the independent claims) recite "creating" or "encoding" a "second symbol" with no mention of creating or encoding any first symbol. Claim 30 does not end with a period.

The Applicant has amended the specification as well as claims 1, 11 and 21, along with the corresponding affected dependent claims, as set forth above, to address the Examiner's objection to the claims. The Applicant submits that the objection to the claims should now be removed.

## **II. REJECTION UNDER 35 U.S.C. § 102**

With regard to the anticipation rejections under 102(e), MPEP 2131 states that:

"[a] claim is anticipated only if **each and every element** as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." See Manual of Patent Examining Procedure (MPEP) at 2131 (internal citation omitted) (emphasis added). Furthermore, "[t]he identical invention must be shown in as complete detail as is contained in the ... claim." See *id.* (internal citation omitted).

### **A. Wolf Does Not Anticipate Claims 1-4, 6-8, 11-14, 16-18, 21-24 and 26-28**

The Applicant now turns to the rejection of claims 1-4, 6-8, 11-14, 16-18, 21-24 and 26-28 under 35 U.S.C. §102(e) as being anticipated by Wolf.

**A(1) Independent Claims 1, 11 and 21**

With regard to the rejection of independent claim 1 under 35 U.S.C. § 102(e), the Applicant submits that Wolf does not teach or disclose at least the limitation of "generating at least one of a TERC4 symbol, a TMDS symbol and a guard band symbol from at least a portion of said first symbol," as recited by the Applicant in the amended independent claim 1.

The Examiner states the following in the Office Action at page 2:

"Wolf et al disclose (see fig.2) a system. (see Wolf et al title: "Method and system for video and auxiliary data transmission over a serial link") for encoding/decoding data for transmission (channels CHO-CHC) for video (DISPLAY, 26) and non-video (AUDIO, 27) information, the system including creating TMDS symbols (see the TMDS transmitter and receiver) from codeword data. Wolf et al also disclose (see figs.13 and 14) generating TMDS symbols (see fig.13, 114 and see fig.14, 214), TERC symbols (see fig. 13,TERC ENCODER, in 108 and see fig. 14,TERC DECODER, in 208) and/ or, and guard band words (see below) and using these to regenerate the codeword (video/audio) information. Wolf et al recite (col. 15,Ins.52-56):

"In some embodiments, the full set of 10-bit TMDS code words is selected to be the inventive code word set. Optionally, the inventive code word set also includes one or more code words of the full set that are used as guard band words." Wolf et al disclose (see fig.2) that the system is controlled by programmed microprocessors (15 and 25)."

In FIGS. 2 and 13 of Wolf, the Examiner seems to equate Wolf's "creating TDMS symbols from codeword data" to "creating a first symbol from a codeword,"

as recited in claim 1 by the Applicant. Assuming for the sake of argument that the Examiner is correct, then the Examiner's argument is still deficient since Wolf only teaches transmitting of the TDMS symbols over a TMDS link, and Wolf does not teach any generating of a TERC4 symbol, a TMDS symbol and/or a guard band symbol from the first symbol (equated by the Examiner to the TDMS symbol).

Therefore, the Applicant maintains that Wolf does not teach or disclose at least the limitation of "generating at least one of a TERC4 symbol, a TMDS symbol and a guard band symbol from at least a portion of said first symbol" as recited by the Applicant in claim 1. Consequently, the Applicant submits that Wolf does not anticipate the Applicant's amended claim 1. The Applicant respectfully requests that the anticipation rejection under 35 U.S.C. 102(e) to the amended claim 1 be withdrawn.

Independent claims 11 and 21 are similar in many respects to the method disclosed in independent claim 1. Therefore, the Applicant respectfully submits that independent claims 11 and 21 are also allowable at least for the reasons stated above with regard to claim 1.

Furthermore, The Applicant reserves the right to argue additional reasons beyond those set forth herein to support the allowability of amended independent claims 1, 11 and 21 should such a need arise.

**A(2) Dependent Claims 2-4, 6-8, 12-14, 16-18, 22-24 and 26-28**

Based on at least the foregoing, the Applicant believes the rejection of amended independent claims 1, 11 and 21 under 35 U.S.C. § 102(e) as being anticipated by Wolf has been overcome and requests that the rejection be withdrawn. Amended claims 2-4, 6-8, 12-14, 16-18, 22-24 and 26-28 depend from amended independent claims 1, 11 and 21 respectively, and are, consequently, also respectfully submitted to be allowable.

The Applicant also reserves the right to argue additional reasons beyond those set forth above to support the allowability of amended claims 2-4, 6-8, 12-14, 16-18, 22-24 and 26-28.

**III. OBJECTIONS TO CLAIMS 5, 9-10, 15, 19-20, 25 and 29-30**

In page 3 of the Office Action, the Examiner states that claims 5, 9-10, 15, 19-20, 25 and 29-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The Applicant has cancelled claims 5, 9-10, 15, 19-20, 25 and 29-30 and has rewritten respective new claims 31-39 in independent form including all of the limitations of the base claim and any intervening claims to comply with the Examiner's recommendations. The Applicant respectfully requests allowance of claims 31-39.

**CONCLUSION**

Based on at least the foregoing, the Applicant believes that all pending claims 1-39 are in condition for allowance. If the Examiner disagrees, the Applicant respectfully requests a telephone interview, and requests that the Examiner telephone the undersigned Attorney at (312) 775-8093.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to the deposit account of McAndrews, Held & Malloy, Ltd., Account No. 13-0017.

A Notice of Allowability is courteously solicited.

Respectfully submitted,

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